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Comparative evaluation of different machines for seedbed for sorghum

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Abstract

© Published under licence by IOP Publishing Ltd. The purpose of research - selection of the optimal composition of agricultural equipment for seedbed preparation for sweet sorghum. Identified and disclosed to the essential characteristics of technology. Thus, innovation in relation to agribusiness - is a new technology, new equipment, new plant varieties, new fertilizers and plant protection products. A special place is occupied by technical-technological and production innovatsii. In order to optimize the total cost in the cultivation of sorghum it is recommended to review the composition of sowing complexes, in order to optimize the timing of sowing, as well as reducing the complexity of the implementation.

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References

- [1] Zelenin A N and Yusupov M L 2014 Automation driving agricultural machinery for tillage, planting, plant care and harvesting (Urga: Yekaterinburg) 152
- [2] Leachman G I and Belenkov A I 2015 Precision farming (precision agriculture): Questions and Answers Niva Zauralye 5 56-58
- [3] Nafikov M M and Karimov H Z 2008 Influence of ways of crop and seeding rates on the yield of sweet sorghum International academic exchanges as a means of integration of the Russian education in the global cultural space 56-57
- [4] Nafikov M M 2011 Formation of highly cenoses forage crops in the conditions of forest-steppe of the Volga region ed M M. Nafikov (Yoshkar Ola) 35 the dissertation dis.... Doctors of agricultural sciences: 06.01.01
- [5] Nafikov M M, Fomin V N and Korol'kov V A 2009 Scientific notes of the Kazan State Academy of Veterinary Medicine 197 (Kazan: Bauman) Influence of times and norms of crop on the yield and quality of sweet sorghum in the conditions of forest-steppe of the Volga region 292-98
- [6] Lykov A M and Tulikov A M 1985 Workshop on agriculture with the basics of soil science (M.: Agropromizdat) 207
- [7] Alabushev A V 2007 Technological methods of cultivation and use of sorghum (Rostov n/D) 224
- [8] Bolshakov A Z 2002 Sorghum the culture of the XXI century (memo of sargood) (Rostov-n/Donu: Rostizdat)
- [9] Manhush P A 1993 Developing studies on sorghum Maize and sorghum 2-3
- [10] Nafikov M M 2012 The dependence of the yield of sugar sorghum of seedbed preparation Corn and sorghum 3 21-23
- [11] Nafikov M M 2012 Effect of methods of primary tillage on productivity of sorghum in the conditions of foreststeppe of the Volga region Corn and sorghum 8-10
- [12] Nafikov M M, Fomin D V and Nigmatzyanov A R 2016 Varieties and processing methods of cultivation of sugar sorghum (Sorghum Bicolor (L.) Moench) Fodder production 7 29-33
- [13] Nigmatzyanov A R and Fomin D V 2016 Impact of fertilizers and pre-sowing seed treatment on the productivity of sugar sorghum Fertility 4 10-12

- [14] Fomin D V, Nigmatzyanov A R, Chekmarev P A and Nafikov M M 2016 Influence of predecessors and levels of nutrition on impurity, agrophysical properties of soil and productivity of sweet sorghum Agriculture 5 26-28
- [15] Nigmatzyanov A R, Nafikov M M and Korolkov V A 2016 Assessment of the effectiveness of fertilizers and plant protection products in the cultivation of sweet sorghum Ecology, environment and human health XXI century: collected articles on materials of the international. scientific. practice. Conf. 133-139
- [16] Nafikov M M, Nigmatzyanov A R and Samatov Z A 2016 Bioclimatic resources, and justification for the cultivation of rainfed sorghum in the Republic of Tatarstan Scientifically based system of dry farming in modern conditions: materials of International scientific-practical conference dedicated to the 30th anniversary system the topic of dry farming Volgograd region 213-19